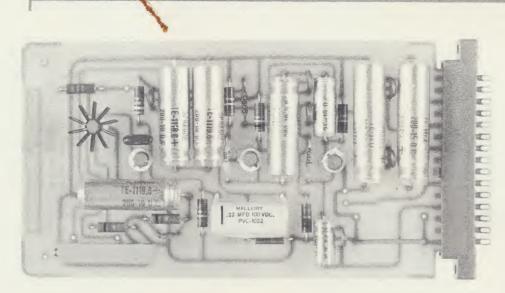


SHEET

NO. 24



model Wide Band **Amplifier**

features

• Extremely wide frequency response • All Silicon transistor design • Excellent Gain Stability • Wide operating temperature range • Designed for card rack mounting • Feedback stabilized • More performance per dollar than any other wide band amplifier on the market • Designed as a "building block" for the Electronic Systems Engineer and Instrumentation Engineer.

applications

1. High Speed Pulse Amplifier. 2. Audio Amplifier. 3. Increase Oscilloscope Sensitivity. 4. Increase Voltmeter Sensitivity. 5. Tape Recorder Amplifier. 6. Transducer Amplifier. 7. AC Bridges.

specifications

Noise:

Noise:

AVAILABLE FROM

AVAILABLE AVAILABLE

Noise:

Gain: Gain Stability:

Pulse Rise Time: Bandwidth: Frequency Response: Output Voltage: Output Current: Input Impedance:

Better than 0.1% at constant temperature (at fixed gain) Better than 0.05%/°C (at fixed gain) Less than 60 nanoseconds at 20 db gain (3 db point). 20 db gain - 5 cycles to 10 mc. 40 db gain - 10 cycles to 1 mc Flat to ± 0.5 db. 20 db gain -10 cycles to 6 mc. 40 db gain -20 cycles to 500 kc 6 volts peak-to-peak across 1000 ohms 10 ma rms maximum (18 ma rms optional) Greater than 100K ohms shunted by 25 pf. 20 db gain less than 1 ohm. 40 db gain less than 10 ohms Requires +15 volts @ 29 ma (+25 volts optional) Less than 50 microvolts rms referred to input, 10,000 ohms source; less than 15 microvolts rms referred to input with input shorted Minus 55°C to plus 75°C

Adjustable from 10 to 100 nominal, with provision for fixed gain setting if desired

6" long by 3.156" wide Glass epoxy

15 pin Cinch Jones 250 Series or equivalent (1 each supplied) Designed for card rack frames with 1" between card center distance 95.00 F.O.B. Factory Options: 1. +25 volt operation, 15.002. 18 ma rms output, \$20.00





BUSINESS REPLY CARD

FIRST CLASS PERMIT NO. 15 . ALAMO, CALIFORNIA

CALIFORNIA ELECTRONIC

MANUFACTURING COMPANY

P.O. BOX 355

ZIP 94507

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☐ WIDE BAND — PULSE AMPLIFIERS	I Have a Specific Use for Your
DC AMPLIFIERS	Have a Specific ose for roof
OPERATIONAL DIFFERENTIAL AMPLIFIERS	in the Following Application
CHOPPER STABILIZED OPERATIONAL AMPLIFIERS	
BISTABLE TRIPS	
POWER SUPPLIES	NAME
OTHER	COMPANY
	STREET
☐ HAVE LOCAL CEMCO REPRESENTATIVE SEE ME	STATE ZIP CODE
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